Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1461/2021-22	Date	16-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	16-09-2021
Source of Sample	Supplied by the Client
Date of Testing	16-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL			***15000***							
I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1236	8.24	8.24	91.76	80-100	100	100	100	80-100	100
25	2624	17.49	25.73	74.27	55-90	70-100	55-75	50-80	55-90	75-100
10	2886	19.24	44.97	55.03	35-65	50-80	-	-	35-65	55-75
4.75	1002.2	6.68	51.65	48.35	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2046.8	13.65	65.3	34.7	20-40	30-50	-	-	10--20	10--25
0.425	3562.4	23.75	89.05	10.95	10--15	10--15	-	-	0-5	0-8
0.075	1526.2	10.17	99.22	0.78	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.66	Should not be more than 2%
2	Maximum Dry Density	2.02	-
3	Optimium Moisture Content	5.56	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1462/2021-22	Date	16-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	16-09-2021
Source of Sample	Supplied by the Client
Date of Testing	16-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken 15000

I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2021.2	13.47	13.47	86.53	80-100	100	100	100	80-100	100
25	1998.6	13.32	26.79	73.21	55-90	70-100	55-75	50-80	55-90	75-100
10	2625.6	17.5	44.29	55.71	35-65	50-80	-	-	35-65	55-75
4.75	2346.6	15.64	59.93	40.07	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2656.8	17.71	77.64	22.36	20-40	30-50	-	-	10--20	10--25
0.425	1526.2	10.17	87.81	12.19	10--15	10--15	-	-	0-5	0-8
0.075	1005.4	6.7	94.51	5.49	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Maximum Dry Density	2.02	-
3	Optimium Moisture Content	5.32	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1463/2021-22	Date	18-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	18-09-2021
Source of Sample	Supplied by the Client
Date of Testing	18-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL			***15000***							
I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1242	8.28	8.28	91.72	80-100	100	100	100	80-100	100
25	2724	18.16	26.44	73.56	55-90	70-100	55-75	50-80	55-90	75-100
10	1986	13.24	39.68	60.32	35-65	50-80	-	-	35-65	55-75
4.75	998.6	6.66	46.34	53.66	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2145.6	14.3	60.64	39.36	20-40	30-50	-	-	10--20	10--25
0.425	3568.2	23.79	84.43	15.57	10--15	10--15	-	-	0-5	0-8
0.075	1862.4	12.42	96.85	3.15	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.68	Should not be more than 2%
2	Maximum Dry Density	2.02	-
3	Optimium Moisture Content	5.41	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1464/2021-22	Date	18-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	18-09-2021
Source of Sample	Supplied by the Client
Date of Testing	18-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken			*15000*							
I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2021.2	13.47	13.47	86.53	80-100	100	100	100	80-100	100
25	1996.8	13.31	26.78	73.22	55-90	70-100	55-75	50-80	55-90	75-100
10	2436.6	16.24	43.02	56.98	35-65	50-80	-	-	35-65	55-75
4.75	2326.2	15.51	58.53	41.47	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2526.2	16.84	75.37	24.63	20-40	30-50	-	-	10--20	10--25
0.425	1426.2	9.51	84.88	15.12	10--15	10--15	-	-	0-5	0-8
0.075	998.6	6.66	91.54	8.46	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.78	Should not be more than 2%
2	Maximum Dry Density	2.04	-
3	Optimium Moisture Content	5.27	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Report No	KMTH/GSB/1465/2021-22	Date	21-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	21-09-2021
Source of Sample	Supplied by the Client
Date of Testing	21-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken			*15000*							
I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1996.8	13.31	13.31	86.69	80-100	100	100	100	80-100	100
25	2020.4	13.47	26.78	73.22	55-90	70-100	55-75	50-80	55-90	75-100
10	2398.2	15.99	42.77	57.23	35-65	50-80	-	-	35-65	55-75
4.75	2242.2	14.95	57.72	42.28	25-55	40-65	10--30	15--35	25-50	30-55
2.36	2632.4	17.55	75.27	24.73	20-40	30-50	-	-	10--20	10--25
0.425	1625.4	10.84	86.11	13.89	10--15	10--15	-	-	0-5	0-8
0.075	1624.8	10.83	96.94	3.06	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.78	Should not be more than 2%
2	Maximum Dry Density	2.04	-
3	Optimium Moisture Content	5.27	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1466/2021-22	Date	21-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	21-09-2021
Source of Sample	Supplied by the Client
Date of Testing	21-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken *15000*

I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2012.2	13.41	13.41	86.59	80-100	100	100	100	80-100	100
25	2122.8	14.15	27.56	72.44	55-90	70-100	55-75	50-80	55-90	75-100
10	2467.4	16.45	44.01	55.99	35-65	50-80	-	-	35-65	55-75
4.75	2163.4	14.42	58.43	41.57	25-55	40-65	10--30	15--35	25-50	30-55
2.36	1620.2	10.8	69.23	30.77	20-40	30-50	-	-	10--20	10--25
0.425	2562.4	17.08	86.31	13.69	10--15	10--15	-	-	0-5	0-8
0.075	1824.2	12.16	98.47	1.53	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.72	Should not be more than 2%
2	Maximum Dry Density	1.99	-
3	Optimium Moisture Content	5.31	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1467/2021-22	Date	25-09-2021
	TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)		
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	25-09-2021		
Source of Sample	Supplied by the Client		
Date of Testing	25-09-2021		
Technical Referance	MORTH Specifications		

GSB MATERIAL

Weight of Sample taken *15000*

I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2012.2	13.41	13.41	86.59	80-100	100	100	100	80-100	100
25	2122.8	14.15	27.56	72.44	55-90	70-100	55-75	50-80	55-90	75-100
10	2467.4	16.45	44.01	55.99	35-65	50-80	-	-	35-65	55-75
4.75	2163.4	14.42	58.43	41.57	25-55	40-65	10--30	15--35	25-50	30-55
2.36	1620.2	10.8	69.23	30.77	20-40	30-50	-	-	10--20	10--25
0.425	2562.4	17.08	86.31	13.69	10--15	10--15	-	-	0-5	0-8
0.075	1824.2	12.16	98.47	1.53	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.72	Should not be more than 2%
2	Maximum Dry Density	1.99	-
3	Optimium Moisture Content	5.31	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
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:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1468/2021-22	Date	25-09-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	25-09-2021
Source of Sample	Supplied by the Client
Date of Testing	25-09-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken *15000*

I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1996.2	13.31	13.31	86.69	80-100	100	100	100	80-100	100
25	2222.4	14.82	28.13	71.87	55-90	70-100	55-75	50-80	55-90	75-100
10	2542.2	16.95	45.08	54.92	35-65	50-80	-	-	35-65	55-75
4.75	2262.8	15.09	60.17	39.83	25-55	40-65	10--30	15--35	25-50	30-55
2.36	1252.4	8.35	68.52	31.48	20-40	30-50	-	-	10--20	10--25
0.425	2662.4	17.75	86.27	13.73	10--15	10--15	-	-	0-5	0-8
0.075	1952.4	13.02	99.29	0.71	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.68	Should not be more than 2%
2	Maximum Dry Density	2.03	-
3	Optimium Moisture Content	5.29	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1469/2021-22	Date	11-10-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	11-10-2021
Source of Sample	Supplied by the Client
Date of Testing	11-10-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken *15000*

I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	1866.4	12.44	12.44	87.56	80-100	100	100	100	80-100	100
25	2362.8	15.75	28.19	71.81	55-90	70-100	55-75	50-80	55-90	75-100
10	2322.2	15.48	43.67	56.33	35-65	50-80	-	-	35-65	55-75
4.75	1968.8	13.13	56.8	43.2	25-55	40-65	10--30	15--35	25-50	30-55
2.36	1156.4	7.71	64.51	35.49	20-40	30-50	-	-	10--20	10--25
0.425	3268.8	21.79	86.3	13.7	10--15	10--15	-	-	0-5	0-8
0.075	2012.6	13.42	99.72	0.28	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.69	Should not be more than 2%
2	Maximum Dry Density	2.01	-
3	Optimium Moisture Content	5.26	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/GSB/1470/2021-22	Date	12-10-2021

TEST REPORT ON GRANULAR SUB BASE MATERIAL (GSB)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	12-10-2021
Source of Sample	Supplied by the Client
Date of Testing	12-10-2021
Technical Referance	MORTH Specifications

GSB MATERIAL

Weight of Sample taken *15000*

I S Sieve in mm	Wt retained (gms)	% Retained	Cumulative %	% Passing	G-I	G-II	G-III	G-IV	G-V	G-VI
75	0	0	0	100	100	-	-	-	100	-
53	2024.6	13.5	13.5	86.5	80-100	100	100	100	80-100	100
25	2168.4	14.46	27.96	72.04	55-90	70-100	55-75	50-80	55-90	75-100
10	2241.8	14.95	42.91	57.09	35-65	50-80	-	-	35-65	55-75
4.75	1864.8	12.43	55.34	44.66	25-55	40-65	10--30	15--35	25-50	30-55
2.36	1068.4	7.12	62.46	37.54	20-40	30-50	-	-	10--20	10--25
0.425	3624.8	24.17	86.63	13.37	10--15	10--15	-	-	0-5	0-8
0.075	1962.4	13.08	99.71	0.29	<5	<5	<5	<5	-	0-3

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.69	Should not be more than 2%
2	Maximum Dry Density	2.01	-
3	Optimium Moisture Content	5.26	-
4	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1471/2021-22	Date	17-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	17-09-2021
Source of Sample	Supplied by the Client
Date of Testing	17-09-2021
Technical Referance	MORTH Specifications

WMM MATERIAL ***10000***

I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	312.2	312.2	3.12	96.88	95-100
22.4	2546.4	2858.6	28.59	71.41	60-80
11.2	2546.2	5404.8	54.05	45.95	40-60
4.75	1325.8	6730.6	67.31	32.69	25-40
2.36	1242	7972.6	79.73	20.27	15-30
0.6	768.8	8741.4	87.41	12.59	8--22
0.75	765.4	9506.8	95.07	4.93	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.76	Should not be more than 2%
2	Flakiness & Elongation Index	26.9%	Shall not be more than 40%
3	Aggregate Crushing Value	20.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1472/2021-22	Date	17-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	17-09-2021
Source of Sample	Supplied by the Client
Date of Testing	17-09-2021
Technical Referance	MORTH Specifications

WMM MATERIAL		***10000***			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	298.6	298.6	2.99	97.01	95-100
22.4	2867.2	3165.8	31.66	68.34	60-80
11.2	3002.4	6168.2	61.68	38.32	40-60
4.75	1764.8	7933	79.33	20.67	25-40
2.36	998.6	8931.6	89.32	10.68	15-30
0.6	1002.4	9934	99.34	0.66	8--22
0.75	26.2	9960.2	99.60	0.40	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.87%	Should not be more than 2%
2	Flakiness & Elongation Index	29.8%	Shall not be more than 40%
3	Aggregate Crushing Value	19.5%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1473/2021-22	Date	20-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	20-09-2021
Source of Sample	Supplied by the Client
Date of Testing	20-09-2021
Technical Referance	MORTH Specifications

WMM MATERIAL		***10000***			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	300.2	300.2	3.00	97.00	95-100
22.4	2764.8	3065	30.65	69.35	60-80
11.2	2862.2	5927.2	59.27	40.73	40-60
4.75	1524.2	7451.4	74.51	25.49	25-40
2.36	862.4	8313.8	83.14	16.86	15-30
0.6	720.2	9034	90.34	9.66	8--22
0.75	552.8	9586.8	95.87	4.13	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.86%	Should not be more than 2%
2	Flakiness & Elongation Index	32.2%	Shall not be more than 40%
3	Aggregate Crushing Value	17.6%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1474/2021-22	Date	20-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	20-09-2021
Source of Sample	Supplied by the Client
Date of Testing	20-09-2021
Technical Referance	MORTH Specifications

WMM MATERIAL		***10000***			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	298.6	298.6	2.99	97.01	95-100
22.4	2686.8	2985.4	29.85	70.15	60-80
11.2	2786.4	5771.8	57.72	42.28	40-60
4.75	1642.8	7414.6	74.15	25.85	25-40
2.36	842.6	8257.2	82.57	17.43	15-30
0.6	710.2	8967.4	89.67	10.33	8--22
0.75	562.4	9529.8	95.30	4.70	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.79%	Should not be more than 2%
2	Flakiness & Elongation Index	31.8%	Shall not be more than 40%
3	Aggregate Crushing Value	18.2%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1475/2021-22		
TEST REPORT ON WET MIX MACADAM (WMM)		Date	22-09-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	22-09-2021		
Source of Sample	Supplied by the Client		
Date of Testing	22-09-2021		
Technical Referance	MORTH Specifications		

WMM MATERIAL		***10000***			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	302.2	302.2	3.02	96.98	95-100
22.4	2781.6	3083.8	30.84	69.16	60-80
11.2	2856.4	5940.2	59.40	40.60	40-60
4.75	1684.8	7625	76.25	23.75	25-40
2.36	856.4	8481.4	84.81	15.19	15-30
0.6	716	9197.4	91.97	8.03	8–22
0.75	558.6	9756	97.56	2.44	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.81%	Should not be more than 2%
2	Flakiness & Elongation Index	33.6%	Shall not be more than 40%
3	Aggregate Crushing Value	19.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1476/2021-22	Date	24-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	24-09-2021
Source of Sample	Supplied by the Client
Date of Testing	24-09-2021
Technical Referance	MORTH Specifications

WMM MATERIAL		***10000***			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	289.6	289.6	2.90	97.10	95-100
22.4	2846.2	3135.8	31.36	68.64	60-80
11.2	2561.2	5697	56.97	43.03	40-60
4.75	1538.6	7235.6	72.36	27.64	25-40
2.36	936.4	8172	81.72	18.28	15-30
0.6	823.4	8995.4	89.95	10.05	8--22
0.75	626.4	9621.8	96.22	3.78	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.81%	Should not be more than 2%
2	Flakiness & Elongation Index	33.6%	Shall not be more than 40%
3	Aggregate Crushing Value	19.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1477/2021-22	Date	24-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	24-09-2021
Source of Sample	Supplied by the Client
Date of Testing	24-09-2021
Technical Referance	MORTH Specifications

WMM MATERIAL		**10000**			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	310.6	310.6	3.11	96.89	95-100
22.4	2952.4	3263	32.63	67.37	60-80
11.2	2634.8	5897.8	58.98	41.02	40-60
4.75	1624.8	7522.6	75.23	24.77	25-40
2.36	942.8	8465.4	84.65	15.35	15-30
0.6	833.2	9298.6	92.99	7.01	8--22
0.75	633.2	9931.8	99.32	0.68	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.77%	Should not be more than 2%
2	Flakiness & Elongation Index	31.2%	Shall not be more than 40%
3	Aggregate Crushing Value	18.2%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj R S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1478/2021-22	Date	27-09-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	27/09/201
Source of Sample	Supplied by the Client
Date of Testing	27/09/201
Technical Referance	MORTH Specifications

WMM MATERIAL		**10000**			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	306.8	306.8	3.07	96.93	95-100
22.4	2898.6	3205.4	32.05	67.95	60-80
11.2	2596.8	5802.2	58.02	41.98	40-60
4.75	1657.4	7459.6	74.60	25.40	25-40
2.36	968.4	8428	84.28	15.72	15-30
0.6	845.6	9273.6	92.74	7.26	8--22
0.75	653.4	9927	99.27	0.73	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.80%	Should not be more than 2%
2	Flakiness & Elongation Index	30.6%	Shall not be more than 40%
3	Aggregate Crushing Value	18.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

• As furnished by the client

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1479/2021-22	Date	13-10-2021

TEST REPORT ON WET MIX MACADAM (WMM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	13-10-2021
Source of Sample	Supplied by the Client
Date of Testing	13-10-2021
Technical Referance	MORTH Specifications

WMM MATERIAL		10000			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	289.6	289.6	2.90	97.10	95-100
22.4	2916.2	3205.8	32.06	67.94	60-80
11.2	2608.4	5814.2	58.14	41.86	40-60
4.75	1682.4	7496.6	74.97	25.03	25-40
2.36	816.4	8313	83.13	16.87	15-30
0.6	615.4	8928.4	89.28	10.72	8--22
0.75	753.2	9681.6	96.82	3.18	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.80%	Should not be more than 2%
2	Flakiness & Elongation Index	30.6%	Shall not be more than 40%
3	Aggregate Crushing Value	18.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/WMM/1480/2021-22		
TEST REPORT ON WET MIX MACADAM (WMM)		Date	15-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	15-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	15-10-2021		
Technical Referance	MORTH Specifications		

WMM MATERIAL		***10000***			
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
53	0	0	0.00	100.00	100
45	300.2	300.2	3.00	97.00	95-100
22.4	3012.4	3312.6	33.13	66.87	60-80
11.2	2846.2	6158.8	61.59	38.41	40-60
4.75	1562.4	7721.2	77.21	22.79	25-40
2.36	716.4	8437.6	84.38	15.62	15-30
0.6	586.2	9023.8	90.24	9.76	8--22
0.75	549.6	9573.4	95.73	4.27	0-5

Sl No	Name of the Test	Results Obtained	Specification as per MORTH
1	Water Absorption	0.80%	Should not be more than 2%
2	Flakiness & Elongation Index	30.6%	Shall not be more than 40%
3	Aggregate Crushing Value	18.4%	Shall not be more than 30%
3	Plasticity Index	NP	Shall not more than 6

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj KS

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1450/2021-22	Date	18-09-2021

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	18-09-2021
Date of Testing	18-09-2021
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
40	0	0.00	0.00	100.00	100	100	
20	352.6	7.05	7.05	92.95	85-100	90 to 100	
10	4486.8	89.74	96.79	3.21	0 to 20	25 to 55	
4.75	120.2	2.40	99.19	0.81	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
63	0	0.00	0.00	100	100	100	
40	416.8	8.34	8.34	91.66	85-100	90 to 100	
20	2156.8	43.14	51.47	48.53	0 to 20	30 to 70	
10	1268.4	25.37	76.84	23.16	0 to 5	10 to 25	
4.75	986.4	19.73	96.57	3.43	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report..........

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1451//2021-22	Date	18-09-2021
TEST REPORT ON COARSE AGGRERGATE			
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	18-09-2021		
Date of Testing	18-09-2021		
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016		

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
20	198.6	3.97	3.97	96.03	85-100	90 to 100	
10	3268.4	65.37	69.34	30.66	0 to 20	25 to 55	
4.75	1526.4	30.53	99.87	0.13	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	152.8	3.06	3.06	96.94	85-100	90 to 100	
20	2268.4	45.37	48.42	51.58	0 to 20	30 to 70	
10	1872.6	37.45	85.88	14.12	0 to 5	10 to 25	
4.75	526.4	10.53	96.40	3.60	-	0 to 5	

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/1441/2021--22	Date	19-09-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	19-09-2021
Date of Testing	19-09-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	8.8	0.88	0.88	99.12	90 – 100	*90 – 100*	90 – 100	90-100
2.36	30.2	3.02	3.90	96.10	60 – 95	*75 – 100*	85 – 100	95-100
1.18	215.2	21.52	25.42	74.58	30 – 70	*55 – 90*	75 – 100	90-100
0.6	270.4	27.04	52.46	47.54	15 – 34	*35 – 59*	60 – 79	80-100
0.3	286.4	28.64	81.10	18.90	5 – 20	*8 – 30*	12 – 40	15-50
0.15	133.2	13.32	94.42	5.58	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137   G S T No: 29AACCK4994Q1ZI   PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/1441/2021-22	Date	19-09-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	19-09-2021
Date of Testing	19-09-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	11.2	1.12	1.12	98.88	90 – 100	*90 – 100*	90 – 100	90-100
2.36	61.2	6.12	7.24	92.76	60 – 95	*75 – 100*	85 – 100	95-100
1.18	206.8	20.68	27.92	72.08	30 – 70	*55 – 90*	75 – 100	90-100
0.6	265.2	26.52	54.44	45.56	15 – 34	*35 – 59*	60 – 79	80-100
0.3	223.2	22.32	76.76	23.24	5 – 20	*8 – 30*	12 – 40	15-50
0.15	150.2	15.02	91.78	8.22	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1482/2021-22	Date	18-09-2021

TEST REPORT ON CEMENT

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	18-09-2021
Date of Testing	18-09-2021
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	27.8	Not specified	-
2	Initial setting time in	159.8	Shall not be less than 30 minutes	P
3	Final setting time in minutes	311	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.88	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	36.41	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	45.87	Shall not be less than 43.0 MPa	P

** As furnished by the client* P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1481/2021-22	Date	20-09-2021

TEST REPORT ON CEMENT

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	18-09-2021
Date of Testing	20-09-2021
Technical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

Sl. No.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
1	Normal consistency in %	28	Not specified	-
2	Initial setting time in	162.8	Shall not be less than 30 minutes	P
3	Final setting time in minutes	308.4	Shall not be more than 600 minutes	P
4	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.33	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	38.86	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	47.24	Shall not be less than 43.0 MPa	P

** As furnished by the client* P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.........End of Report..........

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/1491/2021-22		
	TEST REPORT ON STEEL	Date	21-09-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	21-09-2021		
Date of Testing	21-09-2021		
Technical Referance	IS: 1786 – 2008 & IS: 1608–2005		

Tensile Test

Sl No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	8	0.388	565.40	662.40	19.52	Passes
2		10	0.612	526.84	655.24	22.42	Passes
3		12	0.843	571.40	636.80	21.68	Passes

Bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	8	4 dia	180°	No cracks observed. Passes the test.
2	10	4 dia	180°	No cracks observed. Passes the test.
3	12	4 dia	180°	No cracks observed. Passes the test.

Re bend Test

Sl. No.	Dia (mm)	Mandrel diameter	Observations
1	8	5 dia	No cracks observed. Passes the test
2	10	5 dia	No cracks observed. Passes the test
3	12	7 dia	No cracks observed. Passes the test.

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No+A1:K2A1:K	KMTH/DGBM/1410/2021-22	Date	08-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	08-10-2021
Source of Sample	Supplied by the Client
Date of Testing	08-10-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	62.2	62.2	6.22	93.78	90-100
19	232.2	294.4	29.44	70.56	71-95
13.2	162.2	456.6	45.66	54.34	56-80
4.75	117.2	573.8	57.38	42.62	38-54
2.36	121.2	695	69.50	30.50	28-42
0.3	142.6	837.6	83.76	16.24	7--21
0.075	110.2	947.8	94.78	5.22	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	520.0	489.8	30.20	5.81
2	518.6	488.4	30.20	5.82
3	515.4	487.6	27.80	5.39
4	517.2	488.8	28.40	5.49

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1411/2021-22		
TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		Date	08-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	08-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	08-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	Weight of sample taken	1000		gm	GRADE-II
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	52.4	52.4	5.24	94.76	90-100
19	232.6	285	28.50	71.50	71-95
13.2	142.2	427.2	42.72	57.28	56-80
4.75	100.2	527.4	52.74	47.26	38-54
2.36	162.2	689.6	68.96	31.04	28-42
0.3	186.6	876.2	87.62	12.38	7--21
0.075	96.6	972.8	97.28	2.72	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	481.6	28.40	5.57
2	512.2	482.2	30.00	5.86
3	510.4	481.2	29.20	5.72
4	514.2	486.8	27.40	5.33

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G.S.T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1412/2021-22		
TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		Date	10-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	10-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	10-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	**1000**		gm	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	64.2	64.2	6.42	93.58	90-100
19	202.4	266.6	26.66	73.34	71-95
13.2	162.2	428.8	42.88	57.12	56-80
4.75	113.4	542.2	54.22	45.78	38-54
2.36	158.6	700.8	70.08	29.92	28-42
0.3	192.4	893.2	89.32	10.68	7--21
0.075	98.2	991.4	99.14	0.86	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	512.2	481.6	30.60	5.97
2	513.2	483.2	30.00	5.85
3	512.2	484.2	28.00	5.47
4	514.2	485.6	28.60	5.56

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1413/2021-22	Date	10-10-2021
	TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	10-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	10-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	59.6	59.6	5.96	94.04	90-100
19	242.2	301.8	30.18	69.82	71-95
13.2	156.6	458.4	45.84	54.16	56-80
4.75	118.4	576.8	57.68	42.32	38-54
2.36	126.2	703	70.30	29.70	28-42
0.3	152.2	855.2	85.52	14.48	7--21
0.075	126.2	981.4	98.14	1.86	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.6	482.6	28.00	5.48
2	510.2	480.2	30.00	5.88
3	509.8	481.4	28.40	5.57
4	509.6	482.2	27.40	5.38

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1414/2021-22		
TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		Date	11-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	11-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	11-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	50.2	50.2	5.02	94.98	90-100
19	230.2	280.4	28.04	71.96	71-95
13.2	141.2	421.6	42.16	57.84	56-80
4.75	106.4	528	52.80	47.20	38-54
2.36	162.2	690.2	69.02	30.98	28-42
0.3	176.8	867	86.70	13.30	7--21
0.075	96.6	963.6	96.36	3.64	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	508.4	479.6	28.80	5.66
2	508.6	478.2	30.40	5.98
3	509.4	477.2	32.20	6.32
4	507.8	478.4	29.40	5.79

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1415/2021-22		
TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		Date	11-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	11-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	11-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	**1000**		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	59.4	59.4	5.94	94.06	90-100
19	200.2	259.6	25.96	74.04	71-95
13.2	159.8	419.4	41.94	58.06	56-80
4.75	109.8	529.2	52.92	47.08	38-54
2.36	158.6	687.8	68.78	31.22	28-42
0.3	202.0	889.8	88.98	11.02	7--21
0.075	96.8	986.6	98.66	1.34	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	480.0	30.00	5.88
2	510.2	479.6	30.60	6.00
3	509.8	481.0	28.80	5.65
4	510.2	481.2	29.00	5.68

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No+A1:K2A1:K	KMTH/DGBM/1416/2021-22		
	TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)	Date	12-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	12-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	12-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	Weight of sample taken	1000	gm		
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	GRADE-II % of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	58.8	58.8	5.88	94.12	90-100
19	212.2	271	27.10	72.90	71-95
13.2	142.6	413.6	41.36	58.64	56-80
4.75	113.6	527.2	52.72	47.28	38-54
2.36	132.2	659.4	65.94	34.06	28-42
0.3	150.4	809.8	80.98	19.02	7--21
0.075	119.6	929.4	92.94	7.06	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	511.2	481.2	30.00	5.87
2	512.2	480.6	31.60	6.17
3	510.6	479.6	31.00	6.07
4	511.4	481.0	30.40	5.94

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1417/2021-22	Date	12-10-2021
	TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	12-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	12-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	52.4	52.4	5.24	94.76	90-100
19	232.6	285	28.50	71.50	71-95
13.2	142.2	427.2	42.72	57.28	56-80
4.75	100.2	527.4	52.74	47.26	38-54
2.36	162.2	689.6	68.96	31.04	28-42
0.3	186.6	876.2	87.62	12.38	7--21
0.075	96.6	972.8	97.28	2.72	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	481.6	28.40	5.57
2	512.2	482.2	30.00	5.86
3	510.4	481.2	29.20	5.72
4	514.2	486.8	27.40	5.33

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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3)Any correction in the report will be invalid.

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1418/2021-22	Date	14-10-2021

TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	14-10-2021
Source of Sample	Supplied by the Client
Date of Testing	14-10-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	91.4	91.4	9.14	90.86	90-100
19	197.6	289	28.90	71.10	71-95
13.2	152.6	441.6	44.16	55.84	56-80
4.75	110.2	551.8	55.18	44.82	38-54
2.36	148.2	700	70.00	30.00	28-42
0.3	202.2	902.2	90.22	9.78	7--21
0.075	62.2	964.4	96.44	3.56	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	512.2	481.6	30.60	5.97
2	513.2	483.2	30.00	5.85
3	512.2	484.2	28.00	5.47
4	514.2	485.6	28.60	5.56

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Material Test House Pvt Ltd. ★ Bangalore

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. L

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consult

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/DGBM/1419/2021-22		
TEST REPORT ON DENSE GRADED BITUMINOUS MACADAM(DGBM)		Date	14-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	14-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	14-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	1000		gm	
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	**GRADE-II** % of Passing as per MORTH
37.5	0.0	0	0.00	100.00	100
26.5	81.2	81.2	8.12	91.88	90-100
19	186.8	268	26.80	73.20	71-95
13.2	142.2	410.2	41.02	58.98	56-80
4.75	106.4	516.6	51.66	48.34	38-54
2.36	147.6	664.2	66.42	33.58	28-42
0.3	198.2	862.4	86.24	13.76	7--21
0.075	63.2	925.6	92.56	7.44	2--8

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	506.4	476.6	29.80	5.88
2	508.4	475.4	33.00	6.49
3	507.2	475.8	31.40	6.19
4	506.2	476.2	30.00	5.93

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing, Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1421/2021-22		
	TEST REPORT ON BITUMIOUS CONCRETE	Date	15-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	15-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	15-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	42.6	42.6	4.26	95.74	90-100
9.5	232.6	275.2	27.52	72.48	70-88
4.75	145.2	420.4	42.04	57.96	53-71
2.36	98.6	519	51.90	48.10	42-58
1.18	72.6	591.6	59.16	40.84	34-48
0.6	81.2	672.8	67.28	32.72	26-38
0.3	78.4	751.2	75.12	24.88	18-28
0.15	86.8	838	83.80	16.20	12--20
0.075	98.8	936.8	93.68	6.32	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	518.4	485.6	32.80	6.33
2	516.8	481.2	35.60	6.89
3	515.2	483.2	32.00	6.21
4	510.4	481.2	29.20	5.72

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,
Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy
CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1422/2021-22
TEST REPORT ON BITUMIOUS CONCRETE	Date: 15-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	15-10-2021
Source of Sample	Supplied by the Client
Date of Testing	15-10-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	32.4	32.4	3.24	96.76	90-100
9.5	262.4	294.8	29.48	70.52	70-88
4.75	149.8	444.6	44.46	55.54	53-71
2.36	102.4	547	54.70	45.30	42-58
1.18	86.4	633.4	63.34	36.66	34-48
0.6	86.4	719.8	71.98	28.02	26-38
0.3	72.4	792.2	79.22	20.78	18-28
0.15	86.4	878.6	87.86	12.14	12--20
0.075	56.2	934.8	93.48	6.52	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	509.4	480.2	29.20	5.73
2	505.2	472.4	32.80	6.49
3	500.2	465.2	35.00	7.00
4	506.2	477.8	28.40	5.61

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Nagaraj K S

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Narayanswamy.B

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CIN No: U74210KA2004PTC035137   G S T No: 29AACCK4994Q1ZI   PAN No: AACCK4994Q

Report No	KMTH/BC/1423/2021-22		
TEST REPORT ON BITUMIOUS CONCRETE		Date	16-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	16-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	16-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	Weight of sample taken	1000	gm		GRADE-II
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	28.6	28.6	2.86	97.14	90-100
9.5	251.2	279.8	27.98	72.02	70-88
4.75	162.2	442	44.20	55.80	53-71
2.36	110.2	552.2	55.22	44.78	42-58
1.18	93.2	645.4	64.54	35.46	34-48
0.6	102.2	747.6	74.76	25.24	26-38
0.3	53.2	800.8	80.08	19.92	18-28
0.15	65.2	866	86.60	13.40	12--20
0.075	75.4	941.4	94.14	5.86	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	505.2	473.4	31.80	6.29
2	505.0	473.8	31.20	6.18
3	504.2	474.8	29.40	5.83
4	505.2	472.8	32.40	6.41

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1423/2021-22	Date	16-10-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	16-10-2021
Source of Sample	Supplied by the Client
Date of Testing	16-10-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	32.2	32.2	3.22	96.78	90-100
9.5	198.6	230.8	23.08	76.92	70-88
4.75	152.2	383	38.30	61.70	53-71
2.36	102.2	485.2	48.52	51.48	42-58
1.18	91.2	576.4	57.64	42.36	34-48
0.6	98.6	675	67.50	32.50	26-38
0.3	46.6	721.6	72.16	27.84	18-28
0.15	112.6	834.2	83.42	16.58	12--20
0.075	82.4	916.6	91.66	8.34	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	500.2	472.2	28.00	5.60
2	502.4	471.2	31.20	6.21
3	502.6	470.6	32.00	6.37
4	502.4	470.8	31.60	6.29

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1424/2021-22		
	TEST REPORT ON BITUMIOUS CONCRETE	Date	18-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	18-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	18-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	**1000**		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	29.4	29.4	2.94	97.06	90-100
9.5	252.2	281.6	28.16	71.84	70-88
4.75	152.6	434.2	43.42	56.58	53-71
2.36	112.4	546.6	54.66	45.34	42-58
1.18	90.4	637	63.70	36.30	34-48
0.6	106.4	743.4	74.34	25.66	26-38
0.3	55.4	798.8	79.88	20.12	18-28
0.15	66.2	865	86.50	13.50	18-28
0.075	82.2	947.2	94.72	5.28	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	506.2	472.6	33.60	6.64
2	508.4	472.4	36.00	7.08
3	508.2	473.2	35.00	6.89
4	506.6	472.6	34.00	6.71

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1425/2021-22	Date	18-10-2021
	TEST REPORT ON BITUMIOUS CONCRETE		
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	18-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	18-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	33.2	33.2	3.32	96.68	90-100
9.5	232.2	265.4	26.54	73.46	70-88
4.75	152.4	417.8	41.78	58.22	53-71
2.36	98.6	516.4	51.64	48.36	42-58
1.18	83.6	600	60.00	40.00	34-48
0.6	101.4	701.4	70.14	29.86	26-38
0.3	42.6	744	74.40	25.60	18-28
0.15	72.6	816.6	81.66	18.34	12--20
0.075	106.2	922.8	92.28	7.72	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.2	476.2	34.00	6.66
2	508.4	472.4	36.00	7.08
3	509.4	474.2	35.20	6.91
4	510.0	475.2	34.80	6.82

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanaswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1426/2021-22		
	TEST REPORT ON BITUMIOUS CONCRETE	Date	19-10-2021

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	19-10-2021
Source of Sample	Supplied by the Client
Date of Testing	19-10-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	*Weight of sample taken*	1000		gm	GRADE-II
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	29.2	29.2	2.92	97.08	90-100
9.5	246.6	275.8	27.58	72.42	70-88
4.75	152.2	428	42.80	57.20	53-71
2.36	98.6	526.6	52.66	47.34	42-58
1.18	86.2	612.8	61.28	38.72	34-48
0.6	92.6	705.4	70.54	29.46	26-38
0.3	49.8	755.2	75.52	24.48	18-28
0.15	98.6	853.8	85.38	14.62	12--20
0.075	75.4	929.2	92.92	7.08	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	509.6	474.6	35.00	6.87
2	510.2	475.4	34.80	6.82
3	508.8	473.6	35.20	6.92
4	508.4	473.4	35.00	6.88

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1427/2021-22		
	TEST REPORT ON BITUMIOUS CONCRETE	Date	19-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	19-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	19-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***		***gm***	***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	27.8	27.8	2.78	97.22	90-100
9.5	236.4	264.2	26.42	73.58	70-88
4.75	152.6	416.8	41.68	58.32	53-71
2.36	96.6	513.4	51.34	48.66	42-58
1.18	102.2	615.6	61.56	38.44	34-48
0.6	112.2	727.8	72.78	27.22	26-38
0.3	62.5	790.3	79.03	20.97	18-28
0.15	76.4	866.7	86.67	13.33	12--20
0.075	65.2	931.9	93.19	6.81	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	505.2	473.4	31.80	6.29
2	505.0	473.8	31.20	6.18
3	504.2	474.8	29.40	5.83
4	505.2	472.8	32.40	6.41

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1428/2021-22	Date	20-10-2021

TEST REPORT ON BITUMIOUS CONCRETE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	20-10-2021
Source of Sample	Supplied by the Client
Date of Testing	20-10-2021
Technical Referance	MORTH SPECIFICATIONS

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	28.4	28.4	2.84	97.16	90-100
9.5	249.6	278	27.80	72.20	70-88
4.75	156.2	434.2	43.42	56.58	53-71
2.36	108.4	542.6	54.26	45.74	42-58
1.18	95.6	638.2	63.82	36.18	34-48
0.6	100.2	738.4	73.84	26.16	26-38
0.3	56.4	794.8	79.48	20.52	18-28
0.15	68.2	863	86.30	13.70	12--20
0.075	78.4	941.4	94.14	5.86	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	505.2	473.4	31.80	6.29
2	505.0	473.8	31.20	6.18
3	504.2	474.8	29.40	5.83
4	505.2	472.8	32.40	6.41

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/BC/1429/2021-22		
	TEST REPORT ON BITUMIOUS CONCRETE	Date	20-10-2021
Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.		
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021		
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)		
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21		
Job Code No	003-20-000086		
Clients Letter Dated	20-10-2021		
Source of Sample	Supplied by the Client		
Date of Testing	20-10-2021		
Technical Referance	MORTH SPECIFICATIONS		

BC MATERIAL	***Weight of sample taken***	***1000***	***gm***		***GRADE-II***
I S Sieve in mm	Wt retained (gms)	Cumulative Weight Retained	Cumulative % Retained	% Passing	% of Passing as per MORTH
19	0.0	0	0.00	100.00	100
13.2	29.6	29.6	2.96	97.04	90-100
9.5	256.2	285.8	28.58	71.42	70-88
4.75	172.2	458	45.80	54.20	53-71
2.36	105.4	563.4	56.34	43.66	42-58
1.18	95.6	659	65.90	34.10	34-48
0.6	106.4	765.4	76.54	23.46	26-38
0.3	56.2	821.6	82.16	17.84	18-28
0.15	66.2	887.8	88.78	11.22	12--20
0.075	78.4	966.2	96.62	3.38	4--10

Sl No	Wt of Sample before washing in gm	Wt of Dry Aggregates after Washing in gm	Wt of Bitumen in gm	Percentage of Bitumen Content in %
1	510.0	475.4	34.60	6.78
2	506.4	474.6	31.80	6.28
3	508.8	473.4	35.40	6.96
4	506.4	472.8	33.60	6.64

** As furnished by the client*

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/1501/2021-22	Date	22-10-2021

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Date of Sample Received	22-10-2021
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
250mm Slab														
1	S-01	95.00	195.00	2.05	7085	139.6	19.70	1.01	19.82	24.77		1.8620	0.00138	1347.81
2	S-02	95.00	195.00	2.05	7085	135.6	19.14	1.01	19.25	24.06	24.2	1.6248	0.00138	1176.11
3	S-03	95.00	195.00	2.05	7085	134.6	19.00	1.01	19.11	23.89		1.5260	0.00138	1104.59

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

Karnataka Material Test House Pvt Ltd. Bangalore

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/CCslabs/1502/2021-22	Date	22-10-2021

TEST RESULTS ON CEMENT CONCRETE SLAB SAMPLES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Date of Sample Received	22-10-2021
Source of Sample	Supplied by the Client
Number of Specimens*	3 No`s Cement Concrete Slabs
Size & Shape of Sample	slab Length -1500mm, Height-250mm,Width460mm

Compressive Strength test as per the guidelines of IS: 516-1959 has been conducted on the concrete Core Samples extracted and the results are tabulated here below:

Sl No	Cores pertaining to the concrete cast at*(Details of structural member identification)	Diameter in mm	Length in mm	H/D Ratio	Area Sq.mm	Load KN	Comp. Strength. N/Sq.mm	C.F.H/D x 0.11 + 0.78	C.C.F N/Sq.mm	E.C.S.C N/Sq.mm	Avg. N/Sq.mm	Weight of Core in kg	Volume of Core, m3	Density, Kg/m3
250mm Slab														
1	S-01	94.89	195.60	2.06	7068	136.4	19.30	1.01	19.43	24.28	24.2	1.5260	0.00138	1103.76
2	S-02	95.00	196.40	2.07	7085	135.5	19.13	1.01	19.27	24.08		1.6248	0.00139	1167.73
3	S-03	94.88	195.40	2.06	7067	136.8	19.36	1.01	19.48	24.36		1.5280	0.00138	1106.57

*As furnished by the Client

Note; A Minimum of three specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

...use Pvt Ltd

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1571/2021-22	Date	04-10-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	03-10-2021
Date of Sample Received	03-10-2021
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	PCC Drain Raft Concrete	26-09-2021	03-10-2021	7 Days	22500.00	8264	426.8	18.97
2		26-09-2021	03-10-2021		22500.00	8232	398.8	17.72
3		26-09-2021	03-10-2021		22500.00	8216	412.6	18.34

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

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Approved by
Narayanswamy.B

Karnataka Material Test House Pvt Ltd. Bengaluru

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1572/2021-22	Date	25-10-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	24-10-2021
Date of Sample Received	24-10-2021
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	Drain Raft Concrete	26-09-2021	24-10-2021	28 Days	22500.00	7998	611.2	27.16
2		26-09-2021	24-10-2021		22500.00	8002	608.8	27.06
3		26-09-2021	24-10-2021		22500.00	8012	608.8	27.06

LN/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

......End of Report........

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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
M/s Karnataka Consultancy Services is Sister Concern of KMTHPL

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1473/2021-22	Date	08-10-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	07-10-2021
Date of Sample Received	07-10-2021
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
1	PCC Drain Concrete	30-09-2021	07-10-2021	7 Days	22500.00	8108	410.2	18.23
2		30-09-2021	07-10-2021		22500.00	8056	409.8	18.21
3		30-09-2021	07-10-2021		22500.00	8126	402.6	17.89

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

Karnataka Material Test House Pvt. Ltd. ★ Bangalore

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬೆ.ಮ.ಪಾ. ಬೆಂಗಳೂರು-106

Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/Cubes/1474/2021-22	Date	29-10-2021

TEST RESULTS ON CONCRETE CUBES

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division (Package-02)
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	29-10-2021
Date of Sample Received	29-10-2021
Source of Sample	Supplied by the Client
Dimensions of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
Grade of Concrete	M20

Compressive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Sl No	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
1	PCC Drain Concrete	30-09-2021	28-10-2021	28 Days	22500.00	8124	610.2	27.12
2		30-09-2021	28-10-2021		22500.00	8026	598.8	26.61
3		30-09-2021	28-10-2021		22500.00	8062	612.8	27.24

1N/Sq.mm=10kg/Sq.cm(Approx) * As furnished by the client

Note; A Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

For Karnataka Material Test House Pvt Ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B.

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Report No	KMTH/PAVERS/1499/2021-22	Date	02-11-2021

TEST RESULTS ON PAVER BLOCKS

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	30-10-2021
Date of Sample Received	30-10-2021
Source of Sample	Supplied by the Client
Technical Referance	IS:15658-2006, IS2386 P1

COMPRESSIVE STRENGTH

Sl No	*Identification of members	Dimensions in mm			Nominal Area (mm2)	Weight of sample in gm	Failure Load in KN	Compressive Strength- In N/mm2-(L/A)	Compressive Strength x (Correction Factor)1.18	Average Compressive Strength- N/mm2
		L	B	H						
1	SQUARE PAVERS	200.0	200.0	60.00	40000.00	3526	1450.00	36.25	42.78	42.25
2		200.0	200.0	60.00	40000.00	3624	1420.20	35.51	41.90	
3		200.0	200.0	60.00	40000.00	3624	1426.00	35.65	42.07	

Note : ***Individual paver blocks strength shall not be less than 85% of the specified strength as per IS-15658-2006 clause 6.2.5 page 5***

**As furnished by the client*

For Karnataka Material Test House Pvt Ltd.,

Checked & Prepared by
Nagaraj K S

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/PAVERS/1501/2021-22	Date	02-11-2021

TEST RESULTS ON PAVER BLOCKS

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Yelahanka Division, CMC Road, Yelahanka Old Town, Bengaluru-64.
Name of Agency & Address	Sri .M.S.Venkatesh, M/s MSV construction and Company NO.163,5th cross ,2nd main road ,Prakashnagara Bangalore-560021
Third Party Consultant	Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Improvements to Roads and drains and other developmental works in Attur ward no:-03 Under road development head in Chief Minister Navanagaraothana of Yelahanka Division
Work Order No	BBMP/EE/YNK.D/EPMT-12/W.O/14/2020-21
Job Code No	003-20-000086
Clients Letter Dated	30-10-2021
Date of Sample Received	30-10-2021
Source of Sample	Supplied by the Client
Technical Referance	IS:15658-2006, IS2386 P1

COMPRESSIVE STRENGTH

Sl No	*Identification of members	Dimensions in mm			Nominal Area (mm2)	Weight of sample in gm	Failure Load in KN	Compressive Strength- in N/mm2-(L/A)	Compressive Strength x (Correction Factor)1.18	Average Compressive Strength- N/mm2
		L	B	H						
1	SQUARE PAVERS	199.0	200.0	60.00	39800.00	3526	1510.00	37.94	44.77	44.04
2		198.0	199.0	58.80	39402.00	3624	1486.60	37.73	44.52	
3		200.0	200.0	60.00	40000.00	3624	1452.40	36.31	42.85	

Note : ***Individual paver blocks strength shall not be less than 85% of the specified strength as per IS-15658-2006 clause 6.2.5 page 5***

**As furnished by the client*

For Karnataka Material Test House Pvt Ltd.,

Checked & Prepared by
Nagaraj K S

Approved by
Narayanswamy.B

Karnataka Material Testing ... Bangalore

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